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REMARKS

Claims 1-16 are pending in this application, with claims 1, 7, 12, 14, and 16 being independent. Care has been taken to avoid the introduction of new matter. Favorable reconsideration of the application in light of the following comments is respectfully solicited.

Claim Rejections - 35 U.S.C. § 102

Claims 1-16 were rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Number 6,728,784 ("Mattaway"). Applicants respectfully traverse this rejection for at least the following reasons.

As amended, claim 1 recites a cooperative application system for controlling a first application and a second application respectively operating on a sending terminal and a receiving terminal that are connected via a network. The sending terminal includes a first application-control unit that is operable to give the first application an instruction that controls both the first application and the second application, according to a preset condition of the first application or an operation of a user of the first application reading an application data and working on the sending terminal. The sending terminal also includes a sending unit that is operable to send the instruction given to the first application to the receiving terminal.

The receiving terminal includes a receiving unit that is operable to receive the instruction given to the first application from the sending terminal, and a second application-control unit that is operable to give the instruction received from the sending terminal to the second application that is same as the first application and works on the receiving terminal reading an electronic file including the application data, and the second application changes an output image outputted based on the application data read by the second application.

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To provide context, in one aspect, the application describes with respect to FIG. 3 that the

first application operating on the sending terminal (e.g., a presenter terminal) reads application

data as the presentation materials and converts them to video data. Application at page 8, line 29

to page 9, line 3 and page 11, lines 12-17. Similarly, the application data are sent to the

receiving terminal. Application at page 11, lines 18-20. The receiving terminal reads the

received application data into the second application to make the second application operating on

the receiving terminal the same as the first application operating on the sending terminal in

advance of the presentation. Application at page 11, line 18 to page 12, line 14.

Subsequently and when the presentation begins, the presenter uses the sending terminal

to send instructions to the first application operating thereon. The first application receives the

instructions from the presenter and outputs the video data to the projector and switches between

the outputted video data accordingly. Application at page 8, line 29 to page 9, line 3 and page

11, lines 12-17. Additionally, the instructions are forwarded to the second application operating

on the receiving terminal, and the second application outputs the video data based on its

application data (which is the same as the application data of the first application), and changes

the outputted video data according to the received instructions. Application at page 14, lines 2-

30. By doing so, it is possible to link and display the presented documents at the terminals on

the receiving side without sending the video data of the presented documents that are output by

the application of the terminal on the sending side. Application at page 5, lines 6-15.

With this overview, Applicants respectfully request reconsideration and withdrawal of

the rejection of claim 1 because Mattaway, at a minimum, fails to describe or suggest a

cooperative application system for controlling a first application and a second application, the

system comprising, among other features, a sending terminal that includes a first application-

control unit that is operable to give the first application an instruction that controls both the first

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application and the second application, according to a preset condition of the first application or an operation of a user of the first application reading an application data and working on the sending terminal and a receiving terminal that includes a second application-control unit that is operable to give the instruction received from the sending terminal to the second application that is *same as* the first application and works on the receiving terminal reading an electronic file including the application data, and the second application changes an output image outputted based on the application data read by the second application, as recited in claim 1.

Mattaway discloses a collaboration multimedia system including a conference server (212), a plurality of notebook client processes (230A-B) operatively interconnected over a computer network to the conference server (212), and, a podium process (240) capable of controlling the priority of communications within the conference. Mattaway at Abstract. The conference server (212) may be implemented with the state-table architecture and has the primary function of receiving and replicating multimedia data packets for transmission to the client processes (230A-B). Mattaway at col. 4, lines 25-41.

The client processes include a graphic user interface 300, which in turn includes a public whiteboard 302. Mattaway at col. 8, lines 24-43. During a conference, users can contribute to the whiteboard (302) by copying files into the whiteboard (302) and content of the whiteboard (302) is perceivable to other users in the conference. Mattaway at col. 8, lines 43-51. For example, if during presentation a presenter wishes to share a particular file with participants, the presenter drags and drops the particular file from the presenter's file system or the presenter's private window into the public window region, viewable by the participants. *See e.g.*, Mattaway at col. 8, lines 30-51.

To this end, Mattaway describes a collaboration multimedia system in which the user shares documents by dragging and dropping them into a public window. That is, Mattaway

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describes a system in which presented documents on the receiving terminal are sent from the sending terminal during the presentation and does not describe a system in which presented documents are preset in both the sending terminal and the receiving terminal in advance of the presentation and they are not sent to the receiving terminal during the presentation, rather only instructions for changing the image output is sent from the sending terminal.

As such, Mattaway does not describe or suggest a cooperative application system for controlling a first application and a second application, the system comprising, among other features, a sending terminal that includes <u>a first application-control unit that is operable to give the first application an instruction that controls both the first application and the second application, according to a preset condition of the first application or an operation of a user of the first application reading an application data and working on the sending terminal</u> and a receiving terminal that includes <u>a second application-control unit that is operable to give the instruction received from the sending terminal to the second application that is *same as* the first application and works on the receiving terminal reading an electronic file including the application data, and the second application changes an output image outputted based on the application data read by the second application</u>, as recited in claim 1.

That is, Mattaway does not describe a cooperative application system for controlling <u>a first application operating on the sending terminal and a second application that is same as the first application operating on the receiving terminal, by using a first application-control unit configured to give the first application an instruction that controls both the first application and the second application.</u>

To illustrate further, in the present application both the first application operating on the sending terminal and the second application operating on the receiving terminal include the same content (e.g., application data), and, as such, the second application can output the same video

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data as the one outputted by the first application. To this end, every time the video image is

changed, it is not necessary for the data of the video image outputted on the sending terminal to

be copied (transferred) to the receiving terminal; and it is only necessary for the instruction for

carrying such a change to be copied (transferred) to the receiving terminal. Accordingly, it is

possible to reduce the traffic amount on the network, and also reduce the load of the calculation

process on the receiving terminal. As a result, where the participants are away from the point

that the presenter demonstrates the presentation, the receiving terminal can output, without

disconnecting the presentation, the video images of the application.

For at least the foregoing reasons, Applicants respectfully request reconsideration and

withdrawal of the rejection of claim 1, along with its dependent claims.

Independent claim 7 recites a network terminal for controlling a first application

operating on the network terminal and a second application operating on a second network

terminal that is connected to the network terminal via a network, the network terminal includes

an application-control unit that is operable to give to the first application an instruction that

controls both the first application and the second application, according to a preset condition of

the first application or an operation of a user of the first application reading an application data

and working on the sending terminal; and a sending unit that is operable to send the instruction

given to the first application to the second network terminal. In Mattaway, an operation on the

client's terminal can change the display on the other terminals, where the change is carried out

by copying and data sharing and not by sending instructions to control the first application

operated on the first terminal and the second application operated on the second terminal.

For at least the foregoing reasons, Applicants respectfully request that the rejection of

claim 7 and its dependent claims be withdrawn.

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Independent claims 12, 14, and 16 include features similar to the above-recited features

of claim 1. Therefore, for at least the reasons presented above with respect to claim 1,

Applicants respectfully request that the rejection of claims 12, 14, and 16 and their dependent

claims be withdrawn.

Dependent Claims

Under Federal Circuit guidelines, a dependent claim is nonobvious if the independent

claim upon which it depends is allowable because all the limitations of the independent claim are

contained in the dependent claims. *Hartness International Inc. v. Simplimatic Engineering Co.*,

819 F.2d at 1100, 1108 (Fed. Cir. 1987). Because claims 1, 7, 12, and 14 are allowable for the

reasons set forth above, it is respectfully submitted that all claims dependent thereon are also

allowable. In addition, it is respectfully submitted that the dependent claims are allowable based

on their own merits by adding novel and non-obvious features to the combination.

Based on the foregoing, it is respectfully submitted that all pending claims are allowable

over the cited prior art. Accordingly, it is respectfully requested that the rejection under § 102(e)

be withdrawn.

Conclusion

Accordingly, it is urged that the application, as now amended, is in condition for

allowance, an indication of which is respectfully solicited. If there are any outstanding issues

that might be resolved by an interview or an Examiner's amendment, Examiner is requested to

call Applicants' attorney at the telephone number shown below.
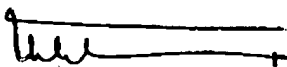
To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is

hereby made. Please charge any shortage in fees due in connection with the filing of this paper,

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including extension of time fees, to Deposit Account 500417 and please credit any excess fees to

such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Babak Akhlaghi
Limited Recognition No. L0250

600 13th Street, N.W.
Washington, DC 20005-3096
Phone: 202.756.8000 SAB:BA:MaM
Facsimile: 202.756.8087
Date: April 24, 2008

**Please recognize our Customer No. 20277
as our correspondence address.**

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